



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Donald C.D. Chang, : I hereby certify that this correspondence is

et al.

Service as first class mail with sufficientpostage in an envelope addressed to:

Serial No.: 09/839,851 Filed: April 20, 200

April 20, 2001 :

For: MULTIPLE DYNAMIC

CONNECTIVITY FOR SATELLITE COMMUNICATIONS SYSTEM

Mail Stop RCE, Commissioner for

Patents, P. O. Box 1450, Alexandria, VA

being deposited with the United States Postal

2231,3-71450, on the date below:

Georgann S. Grunebach

Typed or printed name of person signing certificate

Group Art Unit: 2664

Examiner: PATEL, Ajit : Da

Date: December 22, 2005

## UNDER 37 C.F.R. § 1.97 (b)(4)

Mail Stop RCE Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted before the mailing of a first Office action after the filing of a request for continued examination under §1.114 and therefore it is believed that no fee is due with this submission under 37 C.F.R. §1.97(b)(4).

If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc. RE/R11/A109 P. O. Box 956 El Segundo, CA 90245

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December 22, 2005

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449/PTO	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number	09/839,851	
	Filing Date	April 20, 2001	
	First Named Inventor	Donald C.D. Chang	
	Art Unit	2664	
	Examiner Name	PATEL, Ajit	
Sheet 1 of 4	Attorney Docket Number	PD-200277	

		U.S	. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.	Document Number  Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,574,338	06-2003	Sachdev, Dharmendra K.	<u>g</u>
	· · · · · · · · · · · · · · · · · · ·	US-6,359,868	03-2002	Chen et al.	
		US-4,500,883	02-1985	Gutleber	
		US-4,631,499	12-1986	Kasperkovitz	
		US-4,872,015	10-1989	Rosen	
		US-4,893,316	01-1990	Janc et al.	
		US-5,666,128	09-1997	Murray et al.	
		US-5,689,568	11-1997	Laborde	
		US-5,734,982	03-1998	Endo et al.	
		US-5,884,142	03-1999	Wiedeman et al.	
		US-5,995,062	11-1999	Denney et al.	
		US-6,084,541	07-2000	Sayegh	
		US-6,118,998	09-2000	Wismer et al.	
	_	US-6,128,276	10-2000	Agee	
		US-6,167,237	12-2000	Rapeli	
		US-6,167,286	12-2000	Ward et al.	
		US-6,173,190	01-2001	Usui	
		US-6,278,876	08-2001	Joshi et al.	
		US-6,353,643	03-2002	Park	
		US-6,510,172	01-2003	Miller	
		US-6,704,543	03-2004	Sharon et al.	
		US-6,768,906	07-2004	Matthews et al.	
		US-4,085,368	04-1978	Yeh	
		US-4,727,503	02-1988	McWhirter	
		US-5,715,516	02-1998	Howard	
		US-5,862,480	01-1999	Wild	

- 1	Examiner Signature	Date Considered	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		U.S.	PATENT DOC	UMENTS	
Examiner Initials*	Cite No.	Document Number  Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,991,329	11-1999	Lomp	
		US-6,016,421	01-2000	Weiss	
		US-6,513,758	02-2003	Lloyd	
		US-6,556,845	04-2003	Ide	
		US-6,667,715	12-2003	Chang	
		US-2001/0004604	06-2001	Toshinitsu	
		US-2002/0128044	09-2002	Chang	
		US-2002/0132643	09-2002	Chang	
		US-Serial No. 09/584,012	05-30-2000	Chang	
		US-6,963,548	11-08-2005	Chang	
		US-6,560,292	05-2003	Lundby	
		US-6,941,138	09-06-2005	Chang et al.	
		US-5,740,164	04-1998	Liron	
		US-5,589,834	12-1996	Weinberg	
		US-5,852,721	12-1998	Dillon et al.	
		US-6,339,707	01-2002	Wanfan et al.	
		US-5,990,928	11-1999	Sklar et al.	
		US-6,266,329	07-2001	Lazaris-Brunner et al.	
		US-5,754,139	05-1998	Turcotte et al.	
		US-6,289,389	09-2001	Kikinis, Dan	
		US-6,301,231	10-2001	Hassan et al.	
		US-6,484,213	11-2002	Nouri, Ahmad	
		US-6,154,501	11-2000	Friedman, Robert F.	
		US-2002/0072361	06-2002	Knoblach et al.	
		US-5,708,963	01-1998	Mobley et al.	
		US-6,711,379	03-2004	Owa et al.	

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Signature	Considered	

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		US-2001/0003846	06-2001	Rowe et al.	
		US-5,760,819	06-1998	Sklar et al.	
		US-5,801,751	09-1998	Sklar et al.	
-		US-6,061,562	05-2000	Martin et al.	_
		US-5,920,284	07-1999	Victor, Edward B.	
		US-6,751,801	.06-2004	Frisco et al.	
		US-5,844,636	12-1998	Joseph et al.	
		US-5,760,741	06-1998	Huynh et al.	
		US-6,088,571	07-2000	Kane et al.	
		US-6,529,706	03-2003	Mitchell, James P.	
		US-5,589,834	12-1996	Weinberg, Aaron	
		US-6,810,413	10-2004	Rajakarunanayake et al.	
		US-6,473,858	10-2002	Shimomura et al.	
· · · · · · · · · · · · · · · · · · ·		US-6,526,580	02-2003	Shimomura et al.	
		US-5,727,065	03-1998	Dillon, Douglas M.	
		US-6,442,758	08-2002	Jang et al.	
		US-5,239,668	08-1993	Davis, Walter	
		US-5,398,034	03-1995	Spilker, Jr., James	
,		US-5,629,707	05-1997	Heuvel et al.	
		US-5,805,067	09-1998	Bradley et al.	, , ,
		US-6,084,864	07-2000	Liron, Moshe	
		US-6,628,919	09-2003	Curello et al.	
		US-6,674,994	01-2004	Fell et al.	

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		Number-Kind Code US-2002/0072855	06-2002	Fuchs et al.	or Relevant Figures Appea
				<del></del>	
		US-2003/0207684	11-2003	Wesel, Ellen	
	·	US-2002/0072360	06-2002	Chang et al.	
		US-6,411,607	06-2002	Robert et al.	
		US-4,568,484	10-1996	Margis	
		US-5,659,350	08-1997	Hendricks et al.	
		US-5,751,971	05-1998	Dobbins et al.	
		US-6,366,761	04-2002	Montpetit	
		US-5,552,798	09-1996	Dietrich et al.	
		US-6,201,797	03-2001	Leuca et al.	
		US-6,445,777	09-2002	Clark et al.	
		US-6,208,858	03-2001	Antonio et al.	
		US-5,856,804	01-1999	Turcotte et al.	
		US-6,208,307	03-2001	Frisco et al.	
		US-6,111,542	08-2000	Day et al.	
		US-6,104,911	08-2000	Diekelman	

		FOR	EIGN PATENT I	OCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
		EP 1026778	01-2000	Drabeck et al.		
		EP 0682416	11-1995	Wiedeman et al.		
		EP 1148662	10-2001	Chang et al.		
		EP 1152552	11-2001	Novak et al.		

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